Using pdsh_gdb for Debugging Pleiades PBS Jobs

Category: Troubleshooting

DRAFT

This article is being reviewed for completeness and technical accuracy.

A script called *pdsh_gdb*, created by NAS staff Steve Heistand, is available on Pleiades under */u/scicon/tools/bin* for debugging PBS jobs **while the job is running**.

Launching this script from a Pleiades front-end node allows one to connect to each compute node of a PBS job and create a stack trace of each process. The aggregated stack trace from each process will be written to a user specified directory (by default, it is written to ~/tmp).

Here is an example of how to use this script:

```
pfe1% mkdir tmp
pfe1% /u/scicon/tools/bin/pdsh_gdb -j jobid -d tmp -s -u nas_username
```

More usage information can be found by launching pdsh_gdb without any option:

```
pfe1% /u/scicon/tools/bin/pdsh_gdb
```

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